## Uncompromising ultra-portable design

### POWERFUL MOBILE PERFORMANCE

Enjoy the powerful performance of Intel® Core™ 2 Duo P9600 processors (2.66GHz[1] )with Intel® Centrino® 2 processor technology – the latest chipset from Intel®.

The VAIO® Z notebook comes pre-installed with Genuine Microsoft® Windows Vista® Ultimate 64-bit.

Featuring a dual channel 256GB6 solid state drive with RAID technology. The result is quicker boot-up times, faster application launches and overall enhanced performance. Solid state drive technology has no moving parts, so you get a more durable storage solution less prone to physical damage.

### WIRELESS FREEDOM

Your friends, your news, and your entertainment when you need it. The VAIO® Lifestyle PC lets you browse the web in more places with Verizon Wireless Mobile Broadband Built-In, America's largest and most reliable 3G network[18] .

Built-in Wireless-N technology offers a boost in wireless connection speed and range[3] .

Extend the reach of your Z notebook with Stereo A2DP Bluetooth® technology[16] that is ideal for advanced wireless communication and streaming uncompromised CD-quality stereo music to Bluetooth® technology enabled speakers or headphones.

### ENDLESS FEATURES

An HDMI™ output[17] delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables (HDMI™ cable sold separately).

G-Sensor™ Shock Protection technology makes your data even less vulnerable to loss or damage. When the built-in 3D acceleration sensor detects a risky movement, the HDD-head will lock up to secure its position and help protect the disc from scratching.

### ENVIRONMENTALLY ENGINEERED FEATURES

Energy-efficient 25 watt Intel® Centrino® 2 processors offer all the performance at lower power consumption.

By using a mercury-free backlit LED display, the VAIO® Z notebook keeps one less chemical out of both your home and the landfills.

Built tough for business, the VAIO® Z notebook offers the portability of a 3.4 lbs[7] (with standard battery) form factor with the performance of a larger computer. Encased in durable and elegant premium carbon fiber and featuring scratch-resistant XBRITE-DuraView™ LCD technology, the Z notebook is designed to withstand the rigors of the road.

intel Centrino 2 inside Performance to go

Windows Vista Ultimate

XBRITE-DuraView

RoHS COMPLIANT

WiFi CERTIFIED

Bluetooth

dlna

G-SENSOR

NVIDIA GeForce

SONY

# VGN-Z698Y/X

## VAIO® Z Series Notebook PC

## Specifications

### General

Computer Type: Notebook
Type of Use: Ultra-portable
Action Buttons: S1, S2, WLAN / Bluetooth® on / off, Performace Select
Pointing Device: Electro-static touch pad
Security: Biometric Fingerprint Sensor
Trusted Platform Module (TPM) TCG Ver.1.2 compliant

### Hardware

Keyboard: QWERTY, 82 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in MOTION EYE® camera and microphone

### Processor

Type: Intel® Core™ 2 Duo Processor P9600
Speed: 2.66GHz[1]
Front Side Bus Speed: 1066MHz
L2 Cache: 6MB
Technology: Intel® Centrino® 2 processor technology

### Memory

Type: DDR3
Installed: 4GB[15] PC3-8500 (2GBx2)
Maximum: 4GB[15]
Speed: 1066MHz

### Optical Drive

BD-ROM Read: 2x max.
Blu-ray Disc™ Support: Read[25] / Write[21] (BD-R / BD-RE / BR-ROM)
CD Support: Read / Write (CD / -R / -RW)
DVD Support: Read / Write (DVD±R / ±RW / ±R DL / -RAM)
BD-R DL Read / Write: 2x max.
BD-R Read / Write: 2x max.
BD-RE DL Read / Write: 2x max.
BD-RE Read / Write: 2x max.

### Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ media slot with MagicGate® functionality
One ExpressCard® / 34 slot
One Secure Digital (SD memory card) media slot

### Solid State Drive

Capacity: 256GB[2] (128GBx2)
Interface: Serial ATA
Technology: RAID 0

### Audio

Sound System: Intel® High Definition Audio

### Display

Screen Size: 13.1"[6]
Resolution: 1600 x 900
XBRITE-DuraView™ Technology: Yes
Back Light Technology: LED

### Graphics

Processor: NVIDIA® GeForce® 9300M GS GPU with Total Available Graphics Memory of 2010MB (max.) and Mobile Intel® Graphics Media Accelerator 4500MHD with Intel® Clear Video Technology with Total Available Graphics Memory: 1750MB (max.)[16]
Video RAM: 256MB of dedicated video RAM
Technology: Hybrid Graphics System
Chipset: Mobile Intel® GM45 Express Chipset
Max. External Resolution via VGA: 2048x1536
Max. External Resolution via DVI: 1920x1200
Max. External Display Resolution via HDMI™ ouput / cable: 1920x1080

### Inputs and Outputs

Modem Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1 (Bottom)
USB Port(s): 2 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[9]
Headphone Output(s): 1
Ethernet Connection (s): 1
HDMI™ Output: 1[17]

### Networking / Modem

Ethernet Protocol: 10Base-T / 100Base-TX / 1000Base-T (Gigabit)
Ethernet Speed: Fast Ethernet (RJ-45)
Modem Type: Integrated V.92 / V.90 Modem (RJ-11)
Wireless LAN: Intel® WiFi Link 5100AGN (802.11a / b / g / n)[3]
Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology[18]
Mobile Broadband: Verizon Wireless Mobile Broadband Built-In[18]

### Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS12)
Estimated Battery Life: 2.0 to 6.0 hours[11] Standard Capacity Battery
3.0 to 9.0 hours[11] Large Capacity Battery
Power Requirements: 100W + 10%

### Software

Operating System: Genuine Microsoft® Windows Vista® Ultimate 64-bit
Supplied Software: Microsoft® Works SE 9.0 w / 60-Day Trial Version of Microsoft® Office Home and Student 2007[14]
VAIO® Multimedia Suite: VAIO® Startup Assistant
Click to Disc Editor - Import, Edit, Burn
VAIO® Movie Story - Simple Movie Creation
VAIO® MusicBox - Music by Mood
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Anti-Virus & Recovery Software: Microsoft® Windows Live™ OneCare™ Trial Version[5]

### Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24 / 7[13]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 year limited warranty[12]. See actual warranty for details.
International Service: 1 year international service plan available. Registration required. See www.sony.com/IRSP for details.

### Environmental Information

RoHS®: Compliant
For more information: www.sony.com/vaioeco

### Dimensions

Weight: 3.42 lbs[7] (with standard capacity battery)
Measurements: 12.4"(W) x 1.0-1.3"(H) x 8.3"(D)[7,8]

### Supplied Accessories

Standard Lithium-ion battery (VGP-BPS12)
AC Adapter (VGP-AC19V26)
Power Cable

### Optional Accessories

Stick AC Adapter (VGP-AC19V30)
Port Replicator (VGP-PRZ1)
Additional Standard Capacity Battery (VGP-BPS12)
Large Capacity Battery (VGP-BPL12)
VAIO® Protection Case (VGP-CKZ1)
USB Optical Mouse (VGP-UMS30/B)
Bluetooth® Laser Mouse[19] (VGP-BMS33/B)
Neoprene Case (VGP-AMC1)
Compact Carrying Case (VGP-CCB3)
Leather Notebook Cover (VGP-CVZ1)

Color: Premium Carbon Fiber Black
UPC Code: 027242765535

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services, which may require a fee.
4. Broadband Internet service required along with third party services which may require a subscription or other service fee.
5. Microsoft® Windows Live™ OneCare™ Trial Version - This trial software will work for ninety (90) days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 90-day trial period, you must convert to the perpetual version. You can covert online by following the conversion instructions presented during setup and paying the required fees.
6. Viewable area measured diagonally.
7. Non-metric weights and measures are approximate and may vary.
8. Measured at the narrowest point
9. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
10. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
11. Actual battery life may vary based on product settings, usage patterns and environmental conditions. Battery life will be shorter with models equipped with Instant Mode features.
12. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
13. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor.
14. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you dont activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instgructions presented during setup and paying the required fees.
15. Video recording to Blu-ray Disc™ media is done in MPEG2 and AVC formats only.
16. Interoperability and compatibility among Bluetooth® devices vary.
17. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
18. Subscription with a third party carrier is required. Service activation and other fees apply. Terms & Conditions and additional restrictions apply.
19. Compatibility and performance in a 64-bit environment may vary. Check with the manufacturer of your software or accessory to ensure you have the latest updates.
20. Certain circumstances may limit / prevent Blu-ray Disc™ media playback. For optimal performance, download all updates from http://esupport.sony.com/EN/DRIVERS.

Computer Interface: For this product there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and / or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
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